

AMENDMENTS TO THE SPECIFICATION

Please replace the paragraph beginning at page 2, line 9, with the following rewritten paragraph.

-- As shown in FIGS. 9(a) and 9(b), the Y connection disclosed in patent reference literature 1 is achieved in a stator 150 that includes six coil winding units 160U1, 160U2, 160V1, 160V2, 160W1 and 160W2, three feeding points (a u terminal, a v terminal and a w terminal) 115 and three neutral points (com1, com2 and com3) 166, by winding coils 162 in parallel to each other at the coil winding units 160U1 and 160U2 between the u terminal and the neutral point 166, at the coil winding units 160V1 and 160V2 between the v terminal and the neutral point 166 and the coil winding units 160W1 and 160W2 between the w terminal and the neutral point 166. ~~patent~~ Patent reference literature 1: Japanese Unexamined Patent Publication No. 2002-199636, ~~(see claim 2, prior art, paragraph [0015] and FIGS. 2 and 5)~~ --

Please replace the paragraph beginning at page 3, line 11, with the following rewritten paragraph.

-- In order to achieve the object described above, the present invention provides an electromagnetic motor adopting a Δ connection structure, which includes a u-phase coil winding unit, a v-phase coil winding unit and a w-phase coil winding unit radially extending from a stator fixed to a rotating shaft and set with a phase difference relative to one another and a first feeding terminal, a second feeding terminal and a third feeding terminal through which a predetermined current is supplied to coils at the individual phases. In the electromagnetic motor, coils are wound at least twice over through a sequence; the first feeding terminal \rightarrow the u-phase coil winding unit \rightarrow the second feeding terminal \rightarrow the v-phase coil winding unit \rightarrow the third feeding terminal \rightarrow the w-phase coil winding unit, so as to form at least two coil layers at each coil winding unit among the u-

phase coil winding unit, the v-phase coil winding unit and the w-phase coil winding unit. ~~(claim 1).~~

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Please replace the paragraph beginning at page 3, line 23, with the following rewritten paragraph.

-- In addition, it is desirable that the u-phase coil winding unit, the v-phase coil winding unit and the w-phase coil winding unit each be constituted with a first coil winding unit and a second coil winding unit disposed on a single diagonal and that the coils be wound at least twice over through a sequence; the first feeding terminal → the first u-phase coil winding unit → the second u-phase coil winding unit → the second feeding terminal → the first v-phase coil winding unit → the second v-phase coil winding unit → the third feeding terminal → the first w-phase coil winding unit → the second w-phase coil winding unit. ~~(claim 2).~~ --

Please replace the paragraph beginning at page 4, line 4, with the following rewritten paragraph.

-- The electromagnetic motor achieved in another mode of the present invention by adopting a Y connection structure, comprising a u-phase coil winding unit, a v-phase coil winding unit and a w-phase coil winding unit radially extending from a stator fixed to a rotating shaft with a phase difference relative to each other, a first feeding terminal, a second feeding terminal and a third feeding terminal through which a predetermined current is supplied to coils at the individual phases and a first neutral point, a second neutral point and a third neutral point with potentials equal to one another, is characterized in that the first through third neutral points are electrically connected with one another via an electrically conductive member at one end surface of the stator or over an area near the one end surface. ~~(claim 3).~~ --

Please replace the paragraph beginning at page 4, line 14, with the following rewritten paragraph.

-- It is desirable that the first through third feeding terminals ~~in the structure disclosed in claim 3~~ be disposed at a surface located on a side opposite from the one end surface or in an area near the surface on the opposite side. ~~(claim 4)~~. --

Please replace the paragraph beginning at page 4, line 17, with the following rewritten paragraph.

-- In addition, the electrically conductive member ~~in the structure disclosed in claim 3 or 4~~ may include an extended portion to be connected with the control board. --

Please replace the paragraph beginning at page 4, line 19, with the following rewritten paragraph.

-- It is desirable that the u-phase coil winding unit, the v-phase coil winding unit and the w-phase coil winding unit ~~in the structure disclosed in any of claims 3 through 5~~ each be constituted with a first coil winding unit and a second coil winding unit disposed on a single diagonal and that the coils be wound at least once over through a sequence; the first feeding terminal → the first u-phase coil winding unit → the first neutral point → the first v-phase coil winding unit → the second feeding terminal → the second v-phase coil winding unit → the second neutral point → the first w-phase coil winding unit → the third feeding terminal → the second w-phase coil winding unit → the third neutral point → the second u-phase coil winding unit → the first feeding terminal. ~~(claim 6)~~. --

Please replace the paragraph beginning at page 5, line 2, with the following rewritten paragraph.

-- Alternatively, it is desirable that the u-phase coil winding unit, the v-phase coil winding unit and the w-phase coil winding unit ~~in the structure disclosed in any of claims 3 through 5~~ each be constituted with a first coil winding unit and a second coil winding unit disposed on a single diagonal and that the coils be wound at least twice over through a sequence; the first feeding terminal → the first u-phase coil winding unit → the second u-phase coil winding unit → the first neutral point → the first v-phase coil winding unit → the second v-phase coil winding unit → the second feeding terminal → the first (second) u-phase coil winding unit → the second (first) v-phase coil winding unit → the second neutral point → the first w-phase coil winding unit → the second w-phase coil winding unit → the third feeding terminal → the first (second) w-phase coil winding unit → the second (first) w-phase coil winding unit → the third neutral point → the first (second) u-phase coil winding unit → the second (first) u-phase coil winding unit → the first feeding terminal, so as to form at least two coil layers at each coil winding unit among the u-phase coil winding unit, the v-phase coil winding unit and the w-phase coil winding unit ~~(claim 7)~~. It is to be noted that "first/second" in the parentheses above indicate that coils may be wound for the second time around at the coil winding units with a given phase by switching the winding order between the first coil winding unit and the second coil winding unit. --

Please replace the paragraph beginning at page 5, line 22, with the following rewritten paragraph.

-- ~~By adopting the structure disclosed in claim 1, a Δ parallel Δ connection can be achieved through a single winding operation without having to cut the coil wire at all. Thus, a 1.0mm-diameter coil wire can be wound in parallel, instead of a 1.2mm-diameter coil wire wound in series, as in the related art, without complicating the winding operation, which makes it possible to increase the total number of coil turns and consequently to increase the total sectional area of the~~

coil wire. As a result, the ohmic loss is reduced, thereby achieving higher efficiency in the motor and greater output from the motor. --

Please replace the paragraph beginning at page 6, line 3, with the following rewritten paragraph.

-- ~~In the structure disclosed in claim 2, the~~ The first coil layer is directly formed at each coil winding unit and the second coil layer is formed above the first coil layer, thereby achieving parallel winding. --

Please replace the paragraph beginning at page 6, line 6, with the following rewritten paragraph.

-- ~~In the Y connection, achieved in the structure according to claim 3, the potentials at the individual neutral points can be equalized without extending terminals from the neutral points to the control board and connecting them on the control board. As a result, the number of required parts does not increase and a higher level of freedom is afforded with regard to the control board structure design.~~ --

Please replace the paragraph beginning at page 6, line 11, with the following rewritten paragraph.

-- ~~By adopting the structure disclosed in claim 4, a~~ A greater installation space ~~is can be~~ assured for the feeding terminals and the neutral points, which facilitates the installation of the electrically conductive member. --

Please replace the paragraph beginning at page 6, line 14, with the following rewritten paragraph.

-- The structure ~~disclosed in claim 5~~ makes it possible to use the potential at the neutral points as a control correction value or the like while assuring an efficient structure. --

Please replace the paragraph beginning at page 6, line 17, with the following rewritten paragraph.

-- ~~In the structure disclosed in claim 6, a~~ A parallel Y connection is can be achieved through a single winding operation without having to cut the coil wire at all by adopting the structural features of the present invention described above. --

Please replace the paragraph beginning at page 6, line 20, with the following rewritten paragraph.

-- ~~In the structure disclosed in claim 7, a~~ A parallel Y connection is achieved through a single winding operation without having to cut the coil wire at all and, at the same time, two coil layers are formed at each coil winding unit. Thus, the total coil sectional area is further increased and a highly efficient motor capable of providing a greater output is achieved. --